## What is claimed is:

	Same.	•	
1	1.	A method of treating a neurological disorder in a human patient which	
2	comprises administering to said human patient an effective amount of a composition comprising		
3	a polypeptide comprising a sequence substantially equivalent to SEQ ID NO: 2.		
1	2.	The method of claim 1 wherein the composition further comprises a	
2	pharmaceutically acceptable carrier.		
1	3.	The method of claim 1 wherein the composition is administered orally,	
2	transdermally, intra	mally, intravenously, intrasynovially, intramuscularly, intraocularly, intranasally,	
3	intrathecally, or topically.		
	4.	The method of claim 1 wherein administering the composition is in	
	conjunction with another method of treating said neurological disorder.		
Ī1	5.	The method of claim 1, wherein the neurological disorder is caused by	
<del>Л</del> 2	oxidative stress response in neuronal tissue.		
<b>7</b> 1	6.	The method of claim 1, wherein the neurological disorder is caused by the	
<u>"</u> 2	activation of a neuron specific, stress-activated protein kinase.		
: <u>5</u> 1	7.	The method of claim 6, wherein the protein kinase is c-Jun amino-terminal	
<b>4</b> 2	kinase 3.		
1 1 2 2 1 1 mm			
1	8.	The method of claim 1 wherein the neurological disorder is a disorder	
2	selected from dementia, dementia of the Alzheimer's type, bipolar disorders, mood disorder		
3	depressive features, mood disorder with major depressive-like episode, mood disorder with		
4	manic features, mood disorder with mixed features, substance-induced mood disorder and mood		
5	disorder not otherwise specified (NOS), panic disorder without agoraphobia, panic disorder with		
6	agoraphobia, agorathobia without history of panic disorder, social phobia, postraumatic stress		
7	disorder, acute stress disorder, substance-induced anxiety disorder and anxiety disorder not		
8	otherwise specified (NOS), dyskinesias and behavioral manifestations of mental retardation,		
9	conduct disorder and autistic disorder.		
1	9.	The method of claim 8, wherein dementia is selected from the group	
2	consisting of vascular dementia, dementia due to HIV disease, dementia due to head trauma,		

3	dementia due to Parkinson's disease, dementia due to Huntington's disease, dementia due to			
4	Pick's disease, dementia due to Creutzfeldt-Jakob disease, substance-induced persisting			
5	dementia, dementia due to mult	dementia, dementia due to multiple etiologies and dementia not otherwise specified (NOS).		
1	10. The meth	nod of claim 8, wherein said dementia is dementia of the		
2	Alzheimer's type.			
1	11. The meth	nod of claim 10, wherein dementia of the Alzheimer's type is		
2	selected from the group consisting of dementia of the Alzheimer's type with early onset			
3	uncomplicated, dementia of the Alzheimer's type with early onset with delusions, dementia of the			
4	Alzheimer's type with early onset with depressed mood, dementia of the Alzheimer's type with			
5	late onset uncomplicated, dementia of the Alzheimer's type with late onset with delusions and			
<b>_</b> 6	dementia of the Alzheimer's type with late onset with depressed mood.			
<u> </u>	12. The meth	nod of claim 1, wherein the composition is administered in a		
2	targeted drug delivery system.			
_6 01 01 01 01 01 01 01 01 01	13. The meth	od of claim 12, wherein the targeted drug delivery system is a		
2 _≟2	liposome coated with an antibody that specifically targets neuronal tissue.			
1	14. A method	d of treating Alzheimer's disease, stroke, amyotrophic lateral		
1 2 3 4	sclerosis, age associated memory impairment or Parkinson's disease in a human subject, the			
្ន រួ3	method comprising administering to said human an effective amount of a composition			
<sup>3</sup> 4	comprising a polynucleotide having a sequence that is substantially equivalent to SEQ ID NO: 1.			
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1	15. The meth	od of claim 14, wherein the composition is administered to the		
2	subject's cells using a recmobinant expression vector that comprises a sequence substantially			
3	equivalent to SEQ ID NO: 1.			
1	16. The meth	od of claim 15, wherein administering the composition further		
2	comprises:			
3	removing stem cells from a subject's bone marrow;			
4	introducing the recombinant expression vector into the removed stem cells; and			
5	re-introducing the stem cells into the subject's bone marrow.			
1	17. A method	d of treating a neurological disease in a human subject selected		
2	from the group consisting of Al	from the group consisting of Alzheimer's disease, stroke, amyotrophic lateral sclerosis, age		

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- associated memory impairment and Parkinson's disease, the method comprising administering to said human an effective amount of a composition comprising a polypeptide having a sequence that is substantially equivalent to SEQ ID NO: 2.
- 1 18. The method of claim 17 wherein the composition further comprises a pharmaceutically acceptable carrier.
- 1 19. The method of claim 17 wherein the composition is administered orally, transdermally, intravenously, intrasynovially, intramuscularly, intraocularly, intranasally, intrathecally, or topically.
  - 20. The method of claim 17 wherein the method is used in conjunction with another method of treating said neurological disorder.